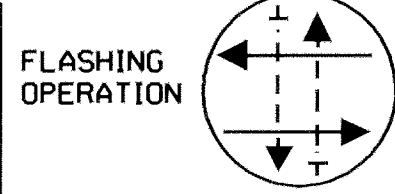


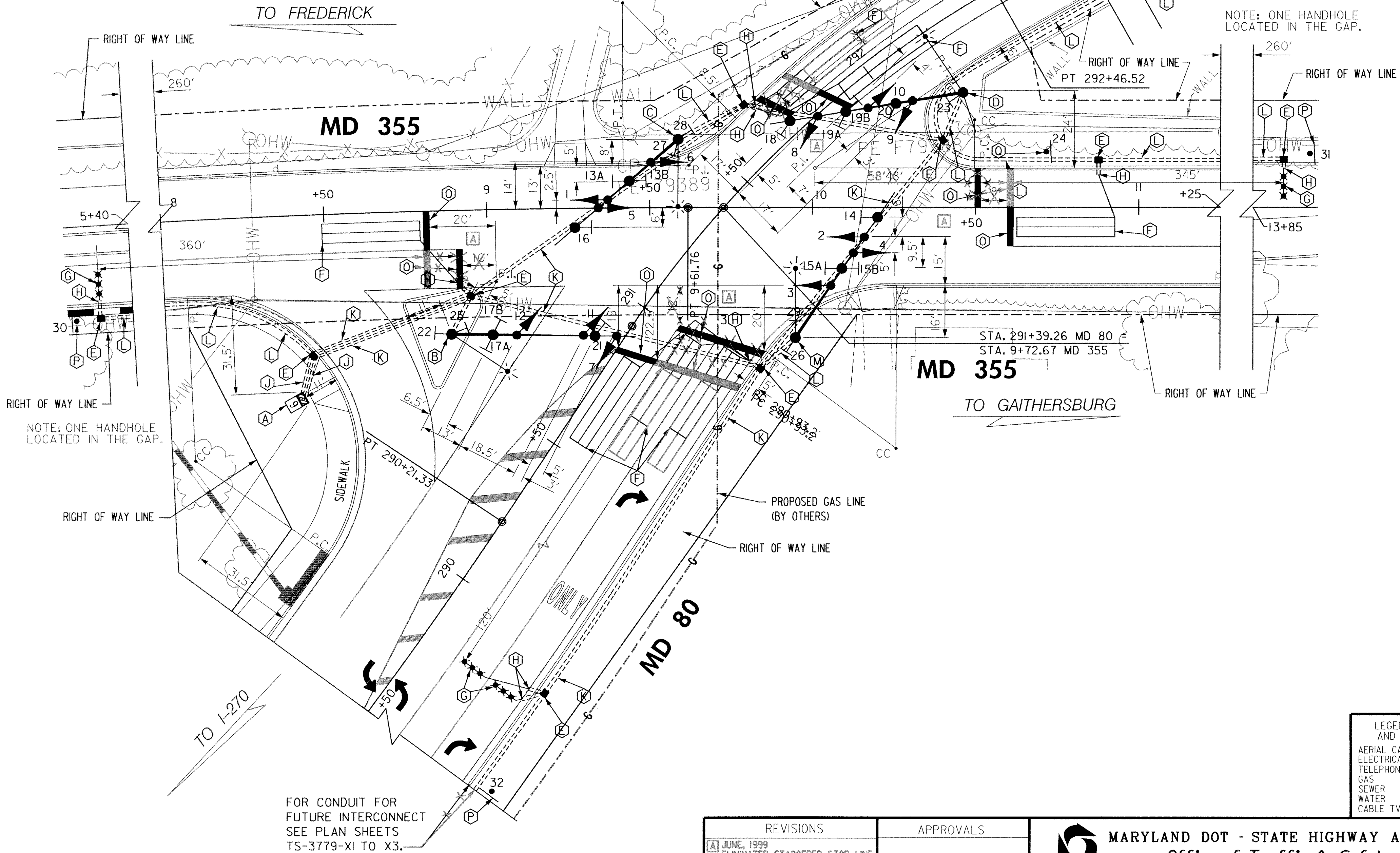
PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



MD 355 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION



CONSTRUCTION NOTES:

- INSTALL NEMA SIZE "6" BASE-MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT. (NOTE: 2 - 2 IN. SCH. 80 AND 2 - 4 IN. SCH. 80, 90 DEGREE PVC BENDS)
- INSTALL 27 FT. STEEL POLE WITH A 56 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED SIGNS AND A 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: 1-2 IN. SCH. 80, 90 DEGREE PVC BEND) (USE FOUR 2 IN. x 90 IN. ANCHOR BOLTS)
- INSTALL 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED SIGNS AND A 15 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN. (NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BEND) (USE FOUR 1 1/4 IN. x 90 IN. ANCHOR BOLTS)
- INSTALL 27 FT. STEEL POLE WITH A 60 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED SIGN AND A 10 FT. LIGHTING ARM AS SHOWN. (NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BEND) (USE FOUR 2 IN. x 90 IN. ANCHOR BOLTS.)
- INSTALL HANDHOLE.
- INSTALL 6 FT. x 30 FT. QUADRUPOLE-TYPE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN FLEXIBLE TUBING.
- INSTALL MICRO-LOOP PROBE TYPE VEHICLE DETECTOR.
- INSTALL 1 IN. LIQUID-TIGHT, NON-METALLIC CONDUIT FOR LOOP DETECTOR SLEEVE.
- INSTALL 4 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (SEE NOTE I).
- INSTALL 2 IN. POLYVINYL CHLORIDE (SCH. 80) ELECTRICAL CONDUIT - TRENCHED. (SEE NOTE I).
- INSTALL 27 FT. STEEL POLE WITH A 54 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS, POLE MOUNTED SIGNS AND AND A 20 FT. LIGHTING ARM WITH A 250 WATT HPS LAMP AND LUMINAIRE AS SHOWN (NOTE: 1 - 2 IN. SCH. 80, 90 DEGREE PVC BEND) (USE FOUR 2 IN. x 90 IN. ANCHOR BOLTS)
- NOT USED
- INSTALL 24 IN. THERMOPLASTIC PREFORMED WHITE PAVEMENT MARKING FOR STOP LINE.
- INSTALL W3-3 (SIGNAL AHEAD) SIGN ASSEMBLY ON TWO 4 IN. x 6 IN. TREATED WOOD POSTS 625 FT. IN ADVANCE OF THE STOP LINE.
- INSTALL ASSOCIATED SHIELD ASSEMBLY (30 IN. x 51 IN.) ON ONE 4 IN. x 6 IN. TREATED WOOD POSTS.

GENERAL NOTES:

- THE CONDUIT TO BE INSTALLED ACROSS THE PROPOSED ROADWAY SHALL BE TRENCHED PRIOR TO PAVEMENT CONSTRUCTION.
- DETECTORS SHALL BE INSTALLED PRIOR TO FINAL PAVEMENT SURFACE COURSE.
- THE CONTRACTOR SHALL CONFIRM THE LOCATIONS OF THE PROPOSED GEOMETRICS PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- ALL POLE AND CABINET FOUNDATIONS AND HANDHOLES SHALL BE INSTALLED AT FINAL GRADE.
- FOR PAVEMENT MARKINGS NOT DETAILED, SEE PAVEMENT MARKING PLAN, SN-2.3.

MAST ARM NOTES:

- MAST ARM POLES AND ORIENTATION OF THE ARMS SHALL BE CONFIRMED BY THE ENGINEER PRIOR TO FOUNDATIONS BEING POURED.
- THE CONTRACTOR SHALL NOTIFY DISTRICT 7 TRAFFIC PERSON, AT 301-624-8150, AND THE OFFICE OF TRAFFIC AND SATEY PERSON, AT 410-787-4033, 72 HRS PRIOR TO SETTING THE FOUNDATIONS, SO THEY CAN VERIFY AND APPROVE THE MAST ARM DIRECTIONS.

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLES	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 (URBANA PIKE) AT MD 80 (FINGERBOARD ROAD)

LOG MILE NO. 10008005151 DATE 03/31/98

DRAWN BY: MAB	F.A.P. NO.	PLAN SHEET NO.:	SHEET NO.
CHECK BY: JDM	S.H.A. NO.	TS-3780	74 OF 95
SCALE: NONE	COUNTY: FREDERICK		

THE WILSON T. BALLARD CO.
CONSULTING ENGINEERS
OWINGS MILLS, MARYLAND

REVISIONS	APPROVALS
A) JUNE, 1999 ELIMINATED STAGGERED STOP LINE	ASST. DIVISION CHIEF, TEDD
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY